

Att'y Ref. No.: 003-065

U.S. App. No.: 10/621,379ABSTRACT OF THE DISCLOSURE

~~The invention relates to a~~ A vortex generator in a flow duct to which a fluid medium is applied, ~~and as well as methods for controlling the wake flow of such a vortex generator.~~ ~~The task of safely avoiding~~ can avoid the formation of a return flow zone in the core of the wake vortex (11) even under changing flow conditions. ~~is realized according to the invention in that an~~ An axial impulse is introduced in a targeted manner into the core flow of the wake vortex (11). ~~According to a preferred embodiment of the invention, for this purpose which~~ a secondary flow is introduced at least approximately in the direction of the main flow into the core flow of the wake vortex (11) via outlet openings (12) on the vortex generator (2).

(Figure 3)